

Checklist of the family Syrphidae (Diptera) of Finland

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Abstract

A checklist of the Syrphidae (Diptera) recorded from Finland. Three species of Syrphidae, *Platycheirus modestus* Ide, 1926, *Cheilosia barovskii* (Stackelberg, 1930) and *Mallota tricolor* Loew, 1871, are published as new to the Finnish fauna. *P. modestus* is also new to the Palaearctic.

Keywords

Checklist, Finland, Diptera, Syrphidae, faunistics

Introduction

Adults of Syrphidae (hoverflies or flower flies) are mimics of bees, bumblebees, wasps and sawflies. Syrphid flies are active visitors of flowers for nectar and pollen and therefore they are important pollinators. The syrphid adults are excellent fliers and often seen hovering.

The larvae of hoverflies exploit a wide range of food sources. The majority of the species are predators and a large number of them feed on aphids. Almost half of the syrphid species are phytophagous or saprophagous. The larvae of phytophagous species tunnel in roots and stems of plants and some mine in leaves, but this rarely causes

significant economic damage. Aquatic larvae are saprophagous in decaying organic material and feed on detritus or filter bacteria. Also larvae living in dead wood and in sap runs probably filter bacteria from the decaying mass. (Marshall 2012, Van Veen 2004).

Only a few active Diptera researchers, Richard Frey, Wolter Hellén and Erkki Kanervo, studied the fauna of Finnish syrphids from the 1910s to the 1960s. They created a very good base for the knowledge of the Finnish syrphid fauna. Hackman (1980) published a list of the Finnish flies including 270 species of hoverflies. The beginning of the 2000s was an active period for faunistic research of the hoverfly fauna and the number of recorded hoverfly species had increased to 347 as the book on Finnish hoverflies (Haarto and Kerppola 2007a) was published. After that the knowledge has still been increasing thanks to working on the taxonomy and faunistics of the Finnish hoverfly fauna so that the distribution can be considered as well-known for over 90 per cent of the Finnish hoverfly species (Kahanpää 2010).

The Finnish hoverfly species were last listed by Kerppola (2013) with additions and omissions of species and with some nomenclature changes.

Identification: The Finnish syrphid fauna is best covered for identification by Haarto and Kerppola (2007a) and Bartsch (2009) although some species are missing in these books. Most of the species can be identified by external characters but some species require male genitalic characters for reliable determination.

Number of species:

World: 6015 species (Pape et al. 2011)

Europe: 830 species

Finland: 362 species

Faunistic knowledge level in Finland: good

Checklist

suborder Brachycera Macquart, 1834

clade Eremoneura Lameere, 1906

clade Aschiza Becher, 1882

superfamily Syrphoidea Latreille, 1802

SYRPHIDAE Latreille, 1802

SYRPHINAE Latreille, 1802

tribe Bacchini Bigot, 1883

BACCHA Fabricius, 1805

Baccha elongata (Fabricius, 1775)

= *obscuripennis* Meigen, 1822

tribe Melanostomini Williston, 1885

MELANOSTOMA Schiner, 1860

- Melanostoma dubium* (Zetterstedt, 1837)
= *freyi* (Hellén, 1950)
Melanostoma mellinum (Linnaeus, 1758)
Melanostoma scalare (Fabricius, 1794)
PLATYCHEIRUS Le Peletier & Serville, 1828
sg. *Platycheirus* Le Peletier & Serville, 1828
Platycheirus aeratus Coquillett, 1900
= *angustitarsis* Kanervo, 1934
Platycheirus albimanus (Fabricius, 1781)
Platycheirus ambiguus (Fallén, 1817)
Platycheirus amplus Curran, 1927
Platycheirus angustatus (Zetterstedt, 1843)
Platycheirus aurolateralis (Stubbs, 2002)
Platycheirus brunnifrons Nielsen, 2004
Platycheirus carinatus (Curran, 1927)
? = *hirtipes* Kanervo, 1938
Platycheirus clypeatus (Meigen, 1822)
Platycheirus discimanus Loew, 1871
Platycheirus europaeus Goeldlin, Maibach & Speight, 1990
Platycheirus fulviventrīs (Macquart, 1829)
Platycheirus goeldlini Nielsen, 2004
Platycheirus groenlandicus Curran, 1927
= *boreomontanus* Nielsen, 1981
= *monticolus* Nielsen, 1972 preocc.
Platycheirus holarcticus Vockeroth, 1990
Platycheirus hyperboreus (Staeger, 1844)
Platycheirus immarginatus (Zetterstedt, 1849)
Platycheirus jaerensis Nielsen, 1971
Platycheirus kittilaensis Dušek & Láska, 1982
= *complicatus* misid.
Platycheirus laskai Nielsen, 1999
Platycheirus latimanus (Wahlberg, 1844)
Platycheirus lundbecki (Collin, 1931)
Platycheirus magadanensis Mutin, 1999
Platycheirus manicatus (Meigen, 1822)
Platycheirus modestus Ide, 1926
Platycheirus nielseni Vockeroth, 1990
Platycheirus nigrofemoratus Kanervo, 1934
Platycheirus occultus Goeldlin, Maibach & Speight, 1990
Platycheirus parmatius Rondani, 1857
Platycheirus peltatus (Meigen, 1822)
Platycheirus perpallidus Verral, 1901
Platycheirus podagratus (Zetterstedt, 1838)

Platycheirus ramsarensis Goeldlin, Maibach & Speight, 1990

Platycheirus scambus (Staeger, 1843)

Platycheirus scutatus (Meigen, 1822)

Platycheirus splendidus Rotheray, 1998

Platycheirus sticticus (Meigen, 1822)

Platycheirus subordinatus Becker, 1915

Platycheirus tarsalis (Schummel, 1836)

Platycheirus transfugus (Zetterstedt, 1838)

Platycheirus urakawensis (Matsumura, 1919)

Platycheirus varipes Curran, 1923

sg. *Pyrophæna* Schiner, 1860

Platycheirus granditarsus (Forster, 1771)

Platycheirus rosarum (Fabricius, 1787)

XANTHANDRUS Verrall, 1901

Xanthandrus comtus (Harris, 1780)

tribe Paragini Glumac, 1961

PARAGUS Latreille, 1804

Paragus constrictus Šimić, 1986

Paragus finitimus Goeldlin, 1971

Paragus haemorrhous Meigen, 1822

= *sigillatus* Curtis, 1836

Paragus pecchiolii Rondani, 1857

= *majoranae* auct. nec Rondani, 1857

= *albifrons* misid.

Paragus tibialis (Fallén, 1817)

tribe Chrysotoxini Newman, 1834

CHRYSTOXUM Meigen, 1803

Chrysotoxum arcuatum (Linnaeus, 1758)

= *fasciatum* (Müller, 1764)

Chrysotoxum bicinctum (Linnaeus, 1758)

Chrysotoxum cautum (Harris, 1776)

Chrysotoxum fasciolatum (De Geer, 1776)

Chrysotoxum festivum (Linnaeus, 1758)

= *arcuatum* auct. nec (Linnaeus, 1758)

Chrysotoxum octomaculatum Curtis, 1937

= *elegans* misid.

Chrysotoxum vernale Loew, 1841

tribe Syrphini Latreille, 1802

DASYSRPHUS Enderlein, 1838

Dasysyrphus albostratus (Fallén, 1817)

Dasysyrphus friuliensis (van der Goot, 1960)

= *claviger* (Frey, 1930)

= *carpathicus* Stys & Moucha, 1962

- Dasysyrphus hilaris* (Zetterstedt, 1843)
Dasysyrphus nigricornis (Verrall, 1873)
 = *obscuratus* (Ringdahl, 1928)
Dasysyrphus pauxillus (Williston, 1887)
Dasysyrphus pinastri (De Geer, 1776)
 = *lunulatus* (Meigen, 1822)
Dasysyrphus postclaviger Stys & Moucha, 1962
 = *claviger* (Frey, 1930) preocc.
Dasysyrphus tricinctus (Fallén, 1817)
Dasysyrphus venustus (Meigen, 1822)
 = *arcuatus* (Fallén, 1817)
DIDEA Macquart, 1834
Didea alneti (Fallén, 1817)
Didea fasciata Macquart, 1834
Didea intermedia Loew, 1854
DOROS Meigen, 1803
Doros profuges (Harris, 1780)
 = *conopseus* auct. nec (Linnaeus, 1758)
EPISTROPHE Walker, 1852
Epistrophe annulitarsis Stackelberg, 1918
Epistrophe cryptica Doczkal & Schmid, 1994
Epistrophe diaphana (Zetterstedt, 1843)
Epistrophe eligans (Harris, 1780)
 = *bifasciata* (Fabricius, 1794) preocc.
Epistrophe flava Doczkal & Schmid, 1994
 = *melanostomoides* misid.
Epistrophe grossulariae (Meigen, 1822)
Epistrophe melanostoma (Zetterstedt, 1843)
 = *melanostomoides* Strobl, 1910
Epistrophe nitidicollis (Meigen, 1822)
Epistrophe obscuripes (Strobl, 1910)
 = *similis* Doczkal & Schmid, 1994
Epistrophe ochrostoma (Zetterstedt, 1849)
Epistrophe olgae Mutin, 1990
EPISTROPHELLA Dušek & Láska, 1967
Epistrophella euchroma (Kowarz, 1885)
EPISYRPHUS Matsumura & Adachi, 1917
Episyrphus balteatus (De Geer, 1776)
ERIOZONA Schiner, 1860
Eriozona syrphoides (Fallén, 1817)
EUPEODES Osten Sacken, 1877
 = **Metasyrphus** Matsumura, 1917
Eupeodes abiskoensis (Dušek & Láska, 1973)

- Eupeodes biciki* (Nielsen, 2003)
Eupeodes bucculatus (Rondani, 1857)
 = *latilunulatus* (Collin, 1931)
Eupeodes corollae (Fabricius, 1794)
Eupeodes curtus (Hine, 1922)
Eupeodes duseki Mazánek, Láska & Bicik, 1999
Eupeodes goeldlini Mazánek, Láska & Bicik, 1999
Eupeodes latifasciatus (Macquart, 1829)
Eupeodes lundbecki (Soot-Ryen, 1946)
Eupeodes luniger (Meigen, 1822)
Eupeodes nielsenii (Dušek & Láska, 1976)
Eupeodes nitens (Zetterstedt, 1843)
Eupeodes punctifer (Frey, 1934)
 = *borealis* misid.
Eupeodes tirolensis (Dušek & Láska, 1973)
FAGISYRPHUS Dušek & Láska, 1967
Fagisyrrhus cinctus (Fallén, 1817)
LAPPOSYRPHUS Dušek & Láska, 1967
Lapposyrphus lapponicus (Zetterstedt, 1838)
LEUCOZONA Schiner, 1860
sg. Leucozona Schiner, 1860
Leucozona inopinata Doczkal, 2000
Leucozona lucorum (Linnaeus, 1758)
sg. Ischyrosyrphus Bigot, 1882
Leucozona glaucia (Linnaeus, 1758)
Leucozona laternaria (Müller, 1776)
MEGASYRPHUS Dušek & Láska, 1967
Megasyrphus erraticus (Linnaeus, 1758)
 = *annulipes* (Zetterstedt, 1838)
MELANGYNA Verrall, 1901
Melangyna arctica (Zetterstedt, 1838)
Melangyna barbifrons (Fallén, 1817)
Melangyna coei Nielsen, 1971
Melangyna compositarum (Verrall, 1873)
Melangyna lasiophthalma (Zetterstedt, 1843)
Melangyna lucifera Nielsen, 1980
Melangyna quadrimaculata (Verrall, 1873)
Melangyna umbellatarum (Fabricius, 1794)
MELIGRAMMA Frey, 1946
Meligramma guttata (Fallén, 1817)
Meligramma triangulifera (Zetterstedt, 1843)
MELISCAEVA Frey, 1946
Meliscaeva auricollis (Meigen, 1822)

Meliscaeva cinctella (Zetterstedt, 1843)

PARASYRPHUS Matsumura, 1917

Parasyrphus annulatus (Zetterstedt, 1838)

Parasyrphus groenlandicus (Nielsen, 1910)

Parasyrphus lineolus (Zetterstedt, 1843)

Parasyrphus macularis (Zetterstedt, 1843)

Parasyrphus malinellus (Collin, 1952)

Parasyrphus nigritarsis (Zetterstedt, 1843)

Parasyrphus proximus Mutin, 1990

Parasyrphus punctulatus (Verrall, 1873)

Parasyrphus tarsatus (Zetterstedt, 1838)

= *dryadis* (Holmgren, 1869)

Parasyrphus vittiger (Zetterstedt, 1843)

SCAEVA Fabricius, 1805

Scaeva pyrastris (Linnaeus, 1758)

Scaeva selenitica (Meigen, 1822)

SPHAEROPHORIA Lepeletier & Serville, 1828

Sphaerophoria abbreviata Zetterstedt, 1859

Sphaerophoria bankowskiae Goeldlin, 1989

Sphaerophoria batava Goeldlin, 1974

Sphaerophoria boreoalpina Goeldlin, 1989

Sphaerophoria chongjini Bankowska, 1964

Sphaerophoria fatarum Goeldlin, 1989

Sphaerophoria interrupta (Fabricius, 1805)

= *menthastri* (Linnaeus, 1758)

Sphaerophoria kaa Virolvitsh, 1960

Sphaerophoria laurae Goeldlin, 1989

Sphaerophoria loewi Zetterstedt, 1843

Sphaerophoria pallidula Mutin, 1999

Sphaerophoria philantha (Meigen, 1822)

= *sarmatica* Bankowska, 1964

Sphaerophoria rueppelli (Wiedemann, 1830)

Sphaerophoria scripta (Linnaeus, 1758)

Sphaerophoria taeniata (Meigen, 1822)

Sphaerophoria virgata Goeldlin, 1974

SYRPHUS Fabricius, 1775

Syrphus admirandus Goeldlin, 1996

Syrphus attenuatus Hine, 1922

= *pilisquamus* Ringdahl, 1928

Syrphus ribesii (Linnaeus, 1758)

= *brevicinctus* Kanervo, 1938

Syrphus sexmaculatus Zetterstedt, 1838

Syrphus torvus Osten Sacken, 1875

Syrphus vitripennis Meigen, 1822

= *rectus bretoletensis* Goeldlin, 1996

XANTHOGRAMMA Schiner, 1860

Xanthogramma citrofasciatum (De Geer, 1776)

= *festivum* auct. nec (Linnaeus, 1758)

Xanthogramma pedissequum (Harris, 1776)

Xanthogramma stackelbergi Violovitsh, 1975

MILESIINAE Rondani, 1845

tribe Cerioidini Wahlgren, 1909

CERIANA Rafinesque, 1815

Ceriana conopsoides (Linnaeus, 1758)

SPHIXIMORPHA Rondani, 1850

Sphiximorpha subsessilis (Illiger in Rossi, 1807)

tribe Cheilosini Williston, 1885

CHEILOSIA Meigen, 1822

Cheilosia alba Vujić & Claussen, 2000

Cheilosia albipila Meigen, 1838

Cheilosia albitarsis (Meigen, 1822)

Cheilosia alpina (Zetterstedt, 1838)

Cheilosia angustigenis Becker, 1894

Cheilosia barbata Loew, 1857

= *honesta* Rondani, 1868

Cheilosia barovskii (Stackelberg, 1930)

Cheilosia carbonaria Egger, 1860

Cheilosia chrysocoma (Meigen, 1822)

Cheilosia cynocephala Loew, 1840

Cheilosia flavipes (Panzer, 1798)

Cheilosia flavissima Becker, 1894

= *pallipes* auct. nec Loew, 1863

Cheilosia fraterna (Meigen, 1830)

Cheilosia frontalis Loew, 1857

Cheilosia gigantea (Zetterstedt, 1838)

= *gracilis* Hellén, 1914

Cheilosia grossa (Fallén, 1817)

Cheilosia illustrata (Harris, 1780)

Cheilosia impressa Loew, 1840

Cheilosia ingerae Nielsen & Claussen, 2001

Cheilosia lasiopa Kowarz, 1885

= *honesta* auct. nec Rondani, 1868

Cheilosia latifrons (Zetterstedt, 1843)

= *intonsa* Loew, 1857

Cheilosia longula (Zetterstedt, 1838)

= *plumulifera* Loew, 1857

= *soror* misid.

Cheilosia melanopa (Zetterstedt, 1843)

Cheilosia morio (Zetterstedt, 1838)

Cheilosia mutabilis (Fallén, 1817)

= *ruralis* (Meigen, 1822)

Cheilosia naruska Haarto & Kerppola, 2007

Cheilosia nebulosa Verrall, 1871

= *langhofferi* Becker, 1894

Cheilosia nigripes (Meigen, 1822)

Cheilosia pagana (Meigen, 1822)

Cheilosia proxima (Zetterstedt, 1843)

Cheilosia psilophthalma Becker, 1894

Cheilosia pubera (Zetterstedt, 1838)

Cheilosia reniformis Hellén, 1930

Cheilosia rufimana Becker, 1894

Cheilosia sahlbergi Becker, 1894

Cheilosia scutellata (Fallén, 1817)

Cheilosia semifasciata Becker, 1894

Cheilosia sootryeni Nielsen, 1970

Cheilosia urbana (Meigen, 1822)

= *ruralis* (Meigen, 1822)

= *praecox* (Zetterstedt, 1843)

= *globulipes* Becker, 1894

Cheilosia uviformis Becker, 1894

= *argentifrons* Hellén, 1914

Cheilosia variabilis (Panzer, 1798)

Cheilosia velutina Loew, 1840

Cheilosia vernalis (Fallén, 1817)

= *rotundicornis* Hellén, 1914

= *rotundiventris* Becker, 1894

= *ruficollis* Becker, 1894

Cheilosia vicina (Zetterstedt, 1849)

= *nasutula* Becker, 1894

Cheilosia vulpina (Meigen, 1822)

Cheilosia sp. A in Haarto & Kerppola, 2007

FERDINANDEA Rondani, 1844

Ferdinandea cuprea (Scopoli, 1763)

RHINGIA Scopoli, 1763

Rhingia borealis Ringdahl, 1928

= *austriaca* auct. nec Meigen, 1830

Rhingia campestris Meigen, 1822

tribe Chrysogasterini Shannon, 1922

BRACHYOPA Meigen, 1822

Brachyopa cinerea Wahlberg, 1844

Brachyopa dorsata Zetterstedt, 1837

Brachyopa obscura Thompson & Torp, 1982

Brachyopa pilosa Collin, 1939

= *bicolor* misid.

Brachyopa testacea (Fallén, 1817)

= *conica* misid.

Brachyopa vittata Zetterstedt, 1843

Brachyopa zhelochovtsevi Mutin, 1998

CHRYSOGASTER Meigen, 1803

Chrysogaster coemiteriorum (Linnaeus, 1758)

= *cemiteriorum* emend.

= *chalybeata* Meigen, 1822

Chrysogaster solstitialis (Fallén, 1817)

Chrysogaster virescens Loew, 1854

CHRYSOSYRPHUS Sedman, 1965

= *Helleniola* Stackelberg, 1965

Chrysosyrphus nasutus (Zetterstedt, 1838)

Chrysosyrphus niger (Zetterstedt, 1843)

= *Myolepta nigra* mistake

HAMMERSCHMIDTIA Schummel, 1834

Hammerschmidtia ferruginea (Fallén, 1817)

Hammerschmidtia ingraca Stackelberg, 1952

LEJOGASTER Rondani, 1857

Lejogaster metallina (Fabricius, 1781)

Lejogaster tarsata (Meigen, 1822)

= *splendida* (Meigen, 1822)

MELANOASTER Rondani, 1857

Melanogaster aerea (Loew, 1843)

= *macquarti* (Loew, 1843)

= *viduata* misid.

Melanogaster parumplicata (Loew, 1840)

NEOASCIA Williston, 1886

sg. Neoascia Williston, 1886

Neoascia podagrica (Fabricius, 1775)

Neoascia tenur (Harris, 1780)

= *dispar* (Meigen, 1822)

= *lapponica* Kanervo, 1934

= *splendida* Kanervo, 1934

sg. Neoasciella Stackelberg, 1970

Neoascia geniculata (Meigen, 1822)

Neoascia interrupta (Meigen, 1822)

Neoascia meticulosa (Scopoli, 1763)

- = *aenea* (Meigen, 1822)
- Neoascia obliqua* Coe, 1940
- Neoascia subchalybea* Curran, 1925
- = *petsamoensis* Kanervo, 1934
- ORTHONEVRA** Macquart, 1829
- Orthonevra elegans* (Meigen, 1822)
- Orthonevra erythrogona* (Malm, 1863)
- Orthonevra geniculata* (Meigen, 1830)
- = *linnaniemii* Kanervo, 1934
- Orthonevra intermedia* Lundbeck, 1916
- = *rossica* Stackelberg, 1953
- Orthonevra nobilis* (Fallén, 1817)
- Orthonevra plumbago* (Loew, 1840)
- = *brevicornis* misid.
- Orthonevra stackelbergi* Thompson & Torp, 1982
- = *intermedia* misid.
- SPHEGINA** Meigen, 1822
- sg. *Sphegina*** Meigen, 1822
- Sphegina clunipes* (Fallén, 1816)
- Sphegina elegans* Schummel, 1843
- = *kimakowiczi* misid.
- Sphegina montana* Becker, 1921
- = *violovitshi* misid.
- = *verecunda* misid.
- Sphegina spheginea* (Zetterstedt, 1838)
- sg. *Asiosphegina*** Stackelberg, 1975
- Sphegina sibirica* Stackelberg, 1953
- tribe Eristalini Newman, 1834
- ANASIMYIA** Schiner, 1864
- = ***Eurimyia*** Bigot, 1883
- Anasimyia contracta* Claussen & Torp, 1980
- Anasimyia interpuncta* (Harris, 1776)
- Anasimyia lineata* (Fabricius, 1787)
- Anasimyia lunulata* (Meigen, 1822)
- Anasimyia transfuga* (Linnaeus, 1758)
- ERISTALINUS** Rondani, 1845
- Eristalinus aeneus* (Scopoli, 1763)
- Eristalinus sepulchralis* (Linnaeus, 1758)
- ERISTALIS** Latreille, 1804
- Eristalis abusiva* Collin, 1931
- Eristalis alpina* (Panzer, 1798)
- Eristalis anthophorina* (Fallén, 1817)
- Eristalis arbustorum* (Linnaeus, 1758)

- = *nemorum* auct. nec (Linnaeus, 1758)
- Eristalis cryptarum* (Fabricius, 1794)
- Eristalis fratercula* Zetterstedt, 1838
 - = *vallei* Kanervo, 1934
- Eristalis gomojunovae* Violovitsh, 1977
 - = *fratercula* auct. nec Zetterstedt, 1838
- Eristalis hirta* Loew, 1866
 - = *E. tundrarum* Frey, 1932
- Eristalis horticola* (De Geer, 1776)
 - = *lineata* (Harris, 1776)
- Eristalis intricaria* (Linnaeus, 1758)
- Eristalis nemorum* (Linnaeus, 1758)
 - = *interrupta* (Poda, 1761)
- Eristalis obscura* Loew, 1866
 - = *pseudorupium* Kanervo, 1938
 - = *vitripennis* Strobl, 1893
- Eristalis oestracea* (Linnaeus, 1758)
- Eristalis pertinax* (Scopoli, 1763)
- Eristalis picea* (Fallén, 1817)
- Eristalis rupium* (Fabricius, 1805)
- Eristalis similis* (Fallén, 1817)
 - = *pratensis* (Meigen, 1822)
- Eristalis tenax* (Linnaeus, 1758)
- HELOPHILUS** Meigen, 1822
- Helophilus affinis* Wahlberg, 1844
- Helophilus bottnicus* Wahlberg, 1844
- Helophilus groenlandicus* (Fabricius, 1780)
- Helophilus hybridus* Loew, 1846
- Helophilus lapponicus* Wahlberg, 1844
 - = *borealis* Staeger, 1845
- Helophilus pendulus* (Linnaeus, 1758)
- Helophilus trivittatus* (Fabricius, 1805)
 - = *parallelus* (Harris, 1776)
- MALLOTA** Meigen, 1822
- Mallota megilliformis* (Fallén, 1817)
- Mallota tricolor* Loew, 1871
- MYATHROPA** Rondani, 1845
- Myathropa florea* (Linnaeus, 1758)
- PARHELOPHILUS** Girschner, 1897
- Parhelophilus consimilis* (Malm, 1863)
- Parhelophilus frutetorum* (Fabricius, 1775)
- Parhelophilus versicolor* (Fabricius, 1794)
- tribe Eumerini Smirnov, 1924

EUMERUS Meigen, 1822*Eumerus flavitarsis* Zetterstedt, 1843*Eumerus funeralis* Meigen, 1822= *tuberculatus* Rondani, 1857*Eumerus grandis* Meigen, 1822= *annulatus* (Panzer, 1798)*Eumerus ruficornis* Meigen, 1822*Eumerus sabulonum* (Fallén, 1817)*Eumerus strigatus* (Fallén, 1817)

tribe Merodontini Edwards, 1915

MERODON Meigen, 1803*Merodon equestris* (Fabricius, 1794)

tribe Pelecocerini Williston, 1887

PELECOCERA Meigen, 1822= *Chamaesyrphus* Mik, 1895*Pelecocera caledonica* (Collin, 1940)*Pelecocera lusitanica* (Mik, 1898)*Pelecocera scaevoides* (Fallén, 1817)*Pelecocera tricineta* Meigen, 1822

tribe Pipizini Williston, 1885

CRYPTOPIPIZA Mutin, 1998*Cryptopipiza notabila* (Violovitsh, 1985)**HERINGIA** Rondani, 1856*Heringia heringi* (Zetterstedt, 1843)**NEOCNEMODON** Goffe, 1944= *Cnemodon* Egger, 1865 preocc.*Neocnemodon fulvimanus* (Zetterstedt, 1843)*Neocnemodon larusi* (Vujić, 1999)= *fulvimanus* auct. nec (Zetterstedt, 1843)*Neocnemodon latitarsis* (Egger, 1865)*Neocnemodon pubescens* (Delucchi & Pschorn-Walcher, 1955)*Neocnemodon verrucula* (Collin, 1931)*Neocnemodon vitripennis* (Meigen, 1822)**PIPIZA** Fallén, 1810*Pipiza accola* Violovitsh, 1985*Pipiza austriaca* Meigen, 1822*Pipiza fasciata* Meigen, 1822*Pipiza festiva* Meigen, 1822*Pipiza lugubris* (Fabricius, 1775)*Pipiza luteitarsis* Zetterstedt, 1843*Pipiza noctiluca* (Linnaeus, 1758)*Pipiza notata* Meigen, 1822= *bimaculata* Meigen, 1822

Pipiza quadrimaculata (Panzer, 1804)

PIPIZELLA Rondani, 1856

Pipizella certa Violovitsh, 1981

= *brevis* auct. nec Lucas, 1976

Pipizella obscura Van Steenis & Lucas, 2011

Pipizella viduata (Linnaeus, 1758)

= *virens* misid.

TRICHOPSOMYIA Williston, 1888

Trichopsomyia flavitarsis (Meigen, 1822)

Trichopsomyia joratensis Goeldlin, 1997

TRIGLYPHUS Loew, 1840

Triglyphus primus Loew, 1840

tribe Sericomyiini Rondani, 1845

SERICOMYIA Meigen, 1803

Sericomyia arctica Schirmer, 1913

Sericomyia jakutica (Stackelberg, 1927)

Sericomyia lappona (Linnaeus, 1758)

Sericomyia nigra Portschinsky, 1872

Sericomyia silentis (Harris, 1776)

tribe Volucellini Newman, 1834

VOLUCELLA Geoffroy, 1762

Volucella bombylans (Linnaeus, 1758)

Volucella inanis (Linnaeus, 1758)

Volucella pellucens (Linnaeus, 1758)

tribe Xylotini Bigot, 1883

BLERA Billberg, 1820

Blera eoa (Stackelberg 1928)

Blera fallax (Linnaeus, 1758)

BRACHYPALPOIDES Hippa, 1978

Brachypalpoides lentus (Meigen, 1822)

BRACHYPALPUS Macquart, 1834

Brachypalpus laphriformis (Fallén, 1816)

CHALCOSYRPHUS Curran, 1925

Chalcosyrphus jacobsoni (Stackelberg, 1921)

Chalcosyrphus nemorum (Fabricius, 1805)

Chalcosyrphus nigripes (Zetterstedt, 1838)

Chalcosyrphus piger (Fabricius, 1794)

Chalcosyrphus rufipes (Loew, 1873)

Chalcosyrphus valgus (Gmelin, 1790)

= *femoratus* auct. nec Linnaeus, 1758

CRIORHINA Meigen, 1822

Criorhina asilica (Fallén, 1816)

LEJOTA Rondani, 1857

- Lejota ruficornis* (Zetterstedt, 1843)
SPHECOMYIA Latreille, 1829
Sphecomyia vespiformis Gorski, 1852
SPILOMYIA Meigen, 1803
Spilomyia diophthalma (Linnaeus, 1758)
SYRITTA Lepeletier & Serville, 1828
Syrirta pipiens (Linnaeus, 1758)
TEMNOSTOMA Lepeletier & Serville, 1828
Temnostoma angustistriatum Krivosheina, 2002
 = *bombylans* auct. nec (Fabricius, 1805)
Temnostoma apiforme (Fabricius, 1794)
Temnostoma carens Gaunitz, 1936
Temnostoma sericomylaeforme (Portschinsky, 1886)
Temnostoma vespiforme (Linnaeus, 1758)
TROPIDIA Meigen, 1822
Tropidia fasciata Meigen, 1822
Tropidia scita (Harris, 1780)
XYLOTA Meigen, 1822
Xylota caeruleiventris Zetterstedt, 1838
Xylota florum (Fabricius, 1805)
Xylota ignava (Panzer, 1798)
Xylota jakutorum Bagatshanova, 1980
 = *caeruleiventris* auct. nec Zetterstedt, 1838
Xylota meigeniana Stackelberg, 1964
Xylota segnis (Linnaeus, 1758)
Xylota suecica (Ringdahl, 1943)
Xylota sylvarum (Linnaeus, 1758)
Xylota tarda Meigen, 1822
Xylota triangularis Zetterstedt, 1838
Xylota xanthocnema Collin, 1939
MICRODONTINAE Rondani, 1845
 tribe Microdontini Rondani, 1845
MICRODON Meigen, 1803
Microdon analis (Macquart, 1842)
 = *eggeri* Mik, 1897
Microdon miki Doczkal & Schmid, 1999
 = *latifrons* auct. nec (Loew, 1856)
Microdon mutabilis (Linnaeus, 1758)

Excluded species

Microdon devius (Linnaeus, 1761) was not found within present borders.

Neoascia annexa (Müller, 1776) was included in the Finnish species list in Fauna Europaea (Speight 2004). Authors have not found any specimens or publications that reliably show *N. annexa* to belong in the Finnish fauna.

Paragus punctulatus (Zetterstedt, 1838) was included in the Finnish species list in Fauna Europaea (Speight 2004). Authors have not found any specimens or publications that reliably show *P. punctulatus* to belong in the Finnish fauna.

Parasyrphus relictus (Zetterstedt, 1838): The status of *P. relictus* is unclear and the type material is lost (Speight 2013). *P. relictus* was excluded from Finnish checklist by Haarto and Kerppola (2007b).

Sphaerophoria sp. B was discovered as a deformed specimen of *Sphaerophoria laurae* Goeldlin, 1989.

Temnostoma meridionale (Krivosheina & Mamayev, 1962) was included in the Finnish species list in Fauna Europaea (Speight 2004). Authors have not found any specimens or publications that reliably show *T. meridionale* to belong in the Finnish fauna.

Notes

Melanostoma mellinum (Linnaeus, 1758) and *Melanostoma dubium* (Zetterstedt, 1837) form a species complex and it is very doubtful whether present species concepts provide an accurate reflection of the number of *Melanostoma* species (Speight 2013).

Platycheirus modestus Ide, 1926. A previously unpublished record. A new species to the Palaearctic. One male was collected in 4.7.2008 from *Obb*: Tornio (leg. I. Kakko).

Dasysyrphus spp. Both *D. venustus* (Meigen, 1822) and *D. hilaris* (Zetterstedt, 1843) are known to contain several species (Haarto and Kerppola 2007a, Bartsch 2009a).

Cheilosia barovskii (Stackelberg, 1930). A previously unpublished record. Five females were collected in 30.5.1937 from *Ta*: Sääksmäki (leg. K.E. Kivirikko) and one female in 20.5.2013 from *N*: Sipoo (leg. T. Järveläinen).

Myolepta nigra (Loew, 1872) was erroneously included in the list of Finnish flies (Hackman 1980) instead of *Helleniola nigra* (Zetterstedt, 1843) = *Chrysosyrphus niger* (Hackman 1982).

The used nomenclature of the species *E. nemorum* (Linnaeus, 1758), *E. arbustorum* (Linnaeus, 1758) and *E. horticola* (De Geer, 1776) follows the proposal in Case 3259 by Chandler et al. (2004) and the usage of these names is confirmed in Opinion 2153 by ICZN (International Commission on Zoological Nomenclature) (2006).

Mallota tricolor Loew, 1871. A previously unpublished record. One male was collected in 4.8.1977 from *Ta*: Hämeenlinna (leg. M. Raekunnas) and another male in 13.6.–6.7.2013 from *Sa*: Joutseno (leg. J. Vilén).

Microdon mutabilis (Linnaeus, 1758) and *Microdon myrmicae* Schönrogge, Barr, Wardlaw, Napper, Gardner, Breen, Elmes & Thomas, 2002 form a species complex the species of which can be separate only by characters of the larvae and the puparia (Bartsch 2009b). In the Finnish checklist *M. mutabilis* represents either of the two species or include both of the species.

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